
6.26. Perl-5.10.0 Linux From Scratch - Version 6.4 Chapter 6. Installing Basic System Software Prev Zlib-1.2.3 Next Readline-5.2 Up Home 6.26. Perl-5.10.0 The Perl package contains the Practical Extraction and Report Language. Approximate build time: 2.5 SBU Required disk space: 178 MB testsuite included 6.26.1. Installation of Perl First create a basic /etc/hosts file to be referenced in one of Perl's configuration files as well as the optional testsuite: `echo "127.0.0.1 localhost $(hostname)" > /etc/hosts` The following patch fixes known vulnerabilities and other issues identified by the developers: `patch -Np1 -i ../perl-5.10.0-consolidated-1.patch` This version of Perl now builds the Compress::Raw::Zlib module. By default Perl will use an internal copy of the Zlib source for the build. Issue the following command so that Perl will use the Zlib library installed on the system: `sed -i -e "s|BUILD_ZLIB\s*= True|BUILD_ZLIB = False|" \ -e "s|INCLUDE\s*= ./zlib-src|INCLUDE = /usr/include|" \ -e "s|LIB\s*= ./zlib-src|LIB = /usr/lib|" \ ext/Compress/Raw/Zlib/config.in` To have full control over the way Perl is set up, you can run the interactive Configure script and hand-pick the way this package is built. If you prefer, you can use the defaults that Perl auto-detects, by preparing Perl for compilation with: `sh Configure -des -Dprefix=/usr \ -Dvendorprefix=/usr \ -Dman1dir=/usr/share/man/man1 \ -Dman3dir=/usr/share/man/man3 \ -Dpager="/usr/bin/less -isR"` The meaning of the configure options: `-Dvendorprefix=/usr` This ensures perl knows how to tell packages where they should install their perl modules. `-Dpager="/usr/bin/less -isR"` This corrects an error in the way that perldoc invokes the less program. `-Dman1dir=/usr/share/man/man1 -Dman3dir=/usr/share/man/man3` Since Groff is not installed yet, Configure thinks that we do not want man pages for Perl. Issuing these parameters overrides this decision. Compile the package: `make` To test the results (approximately 2.5 SBU), issue: `make test` Install the package: `make install` 6.26.2. Contents of Perl Installed programs: `a2p`, `c2ph`, `cpan`, `dprofpp`, `enc2xs`, `find2perl`, `h2ph`, `h2xs`, `instmodsh`, `libnetcfg`, `perl`, `perl5.10.0` (link to `perl`), `perlbug`, `perlcc`, `perldoc`, `perlvp`, `piconv`, `pl2pm`, `pod2html`, `pod2latex`, `pod2man`, `pod2text`, `pod2usage`, `podchecker`, `podselect`, `prove`, `psed` (link to `s2p`), `pstruct` (link to `c2ph`), `s2p`, `splain`, and `xsubpp` Installed libraries: Several hundred which cannot all be listed here Short Descriptions `a2p` Translates `awk` to Perl `c2ph` Dumps C structures as generated from `cc -g -S` `cpan` Interact with the Comprehensive Perl Archive Network (CPAN) from the command line `dprofpp` Displays Perl profile data `enc2xs` Builds a Perl extension for the Encode module from either Unicode Character Mappings or Tcl Encoding Files `find2perl` Translates `find` commands to Perl `h2ph` Converts `.h` C header files to `.ph` Perl header files `h2xs` Converts `.h` C header files to Perl extensions `instmodsh` Shell script for examining installed Perl modules, and can even create a tarball from an installed module `libnetcfg` Can be used to configure the `libnet perl` Combines some of the best features of C, `sed`, `awk` and `sh` into a single swiss-army language `perl5.10.0` A hard link to `perl` `perlbug` Used to generate bug reports about Perl, or the modules that come with it, and mail them `perlcc` Generates executables from Perl programs `perldoc` Displays a piece of documentation in pod format that is embedded in the Perl installation tree or in a Perl script `perlvp` The Perl Installation Verification Procedure; it can be used to verify that Perl and its libraries have been installed correctly `piconv` A Perl version of the character encoding converter `iconv` `pl2pm` A rough tool for converting Perl4 `.pl` files to Perl5 `.pm` modules `pod2html` Converts files from pod format to HTML format `pod2latex` Converts files from pod format to LaTeX format `pod2man` Converts pod data to formatted `*roff` input `pod2text` Converts pod data to formatted ASCII text `pod2usage` Prints usage messages from embedded pod docs in files `podchecker` Checks the syntax of pod format documentation files `podselect` Displays selected sections of pod documentation `prove` Command line tool for running tests against the `Test::Harness` module. `psed` A Perl version of the stream editor `sed` `pstruct` Dumps C structures as generated from `cc -g -S` `stabs` `s2p` Translates `sed` scripts to Perl `splain` Is used to force verbose warning diagnostics in Perl `xsubpp` Converts Perl XS code into C code Prev Zlib-1.2.3 Next Readline-5.2 Up Home
